



# CRA BULLETIN

Issue 10 – 24 February 2005

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## CONTINUING COMPULSORY ANNUAL RETRAINING (C-CAR) PROGRAMME

The C-CAR Programme has been developed due to the remit passed at the 2004 CRA Annual Conference. This remit was based on setting up an on-going training programme for all Structural Repair Centres.

In order for you to keep all information pertaining to this C-CAR Programme together, we sent to you prior to Christmas a 'C-CAR Programme and CRA Bulletins' ringbinder (please contact us if you have not received this). Enclosed in this folder is a 'Statement' – please complete this Statement and leave in the folder.

The following is how you can make sure you attain sufficient points to retain your Structural Repair Centre category. Remember, you need 8 points per year for this.

1. This year the Membership Liaison Officer's are required to sight this completed 'Statement'. You will be allocated **2 points** if this has been done.
2. The Membership Liaison Officer will note on the inspection sheet as to who the designated person/s are for this programme. This person/s will be the Proprietor and/or Manager of the shop.
3. Each I-Car course that is attended (excluding the MIG Welding Qualification) has been allocated **3 points**. Due to the introduction of the C-CAR Programme, courses have been scheduled in most regions to benefit members by avoiding excessive travel. We urge you to register for these, as future courses are unlikely to be so accessible. Listed below are the I-Car courses scheduled so far for the 2005 year.
4. Attending a business session at the CRA annual conference (27 April – 1 May 2005) at Waitangi has been allocated **3 points**. Conference registration packs have just been sent to all CRA members, if you haven't received it, let us know.

So, if you sign the 'Statement', attend a conference business session and attend an I-Car course you will meet the required **8 points**.



## I-CAR COURSES FOR 2005

To ensure your place in these courses please register early.

### **DAMAGE ANALYSIS – PROGRAM 2: ½ day**

- This course will be conducted in the morning – please tick if you only want to attend this course

*Program 2 focuses on how to interpret measuring system printouts and the need to use this information to estimate vehicle damage, make repair decisions on plastic parts, bumper assemblies, energy absorbers, hoods and other exterior panels. Special emphasis is given to the front portion of the vehicle.*

### **DAMAGE ANALYSIS – PROGRAM 3: ½ day**

- This course will be conducted in the afternoon – please tick if you only want to attend this course

*Program 3 addresses the mechanical side of collision repair. Hands-on activities help participants learn to analyse damage to air conditioning, cooling, electrical, electronic and drivetrain parts, as well as an in-depth coverage of steering and suspension.*

- Rotorua – 22 February       Auckland – 1 March       Whangarei – 23 May  
 Palmerston North – 30-31 May       New Plymouth – 1 June       Christchurch – 14 June  
 Napier – 27 June

### **PLASTIC REPAIR – PROGRAMS 1 & 2: 1 day**

*With the increased use of plastics and composites today for bumper covers and other exterior panels, the skills used in creating an invisible repair are essential. You will learn how to perform adhesive repairs on plastic parts. Hands-on exercises provide experience in performing adhesive repairs on a variety of plastics. If available, bring a plastic welder for this course.*

- Auckland – 9 April       Hamilton – 23 April       Christchurch – 5 May  
 Palmerston North – 6 August

### **FUNDAMENTALS OF COLLISION REPAIR: ½ day**

*This course will give you a good understanding of vehicle and part design, construction materials and manufacturing processes that affect collision repair. These critical issues impact how a vehicle routes collision energy and what the resulting damage is, apparent or hidden. The information will form the basis for properly analysing damage and performing structural repairs.*

- Auckland – 3 March       Napier – 15 March       Palmerston North – 30 May  
 Wellington – 29 June       Hamilton – 18 July

### **STRUCTURAL STEEL – PROGRAMS 1 & 2: 1 day**

*These courses overview the procedures required to repair, replace and section the unibody. I-Car designed simulators are used for hands-on application and covers A, B, C and D pillars.*

- Auckland – 7 April       Palmerston North – 11 October

**VEHICLE CRASH MANAGEMENT AND RESTRAINT SYSTEMS (AIR BAGS): ½ day**

*This is I-Cars updated course covering latest designs and functions of various restraint and passive restraint systems, including seat belts, seat belt tensioners and airbags will be discussed. Students learn about using service manuals and flow charts relating to these.*

- Auckland – 6 April                       Palmerston North – 14 April    Rotorua – 19 April  
 Christchurch – 4 May

**ALTERNATIVE FUEL– PROGRAM 1: ½ day**

*Identifying the parts and basic operation of the different hybrid electric vehicle configuration and overviews salvage and workshop storage recommendations. Looks at how and why you should use the proper safety equipment when carrying out post repair inspections. The course also covers precautions when working with electric and hybrid vehicles covering the correct inspection of the high voltage cables and battery.*

- Auckland – 4 April                       Palmerston North – 12 April    Rotorua – 21 April  
 Christchurch – 2 May

**WORKER PROTECTION (HAZARDOUS MATERIALS): ½ day**

*This course covers personal safety in the workplace, material safety data sheets, product labeling, hazardous materials, waste and workshop safety.*

- Napier – 15 March

**STRUCTURAL ALUMINIUM DESIGN & REPAIR PROCESSES AND INTRODUCTION TO ALUMINIUM GMA (MIG) WELDING:**

*As aluminium is introduced by many manufacturers, there is a need to understand and be aware of the different types of alloy used in structural design and the manufacturers repair processes required. This course will also overview the aluminium MIG welding qualification assessment.*

- Auckland – 5 April                       Palmerston North – 13 April    Rotorua – 20 April  
 Christchurch – 3 May

**WELDING AND CUTTING STEEL – PROGRAM 1: ½ day**

*This program covers the principles and techniques of steel GMA (MIG) welding. Participants learn how to properly set up and tune a welding machine, address safety issues, perform proper welding techniques, prepare metal surfaces and identify and correct weld defects. This prepares the participant for the plug, fillet, and butt joint with backing welds of the I-Car MIG Welding qualification. This course is now recognised as part of the MITO free off-job training.*

- Rotorua – 23 February                       Auckland – 2 March    Whangarei – 24 May  
 Christchurch – 15 June                       Dunedin – 16 June    Wellington – 29 June  
 Nelson – 30 June                               Hamilton – 18 July    Palmerston North – 12 Sept.

**REFINISHING – PROGRAM 1: ½ day**

- This course will be conducted in the morning – please tick if you only want to attend this course**

*Program 1 covers automotive refinishing equipment and materials. Students learn about spray guns, spray booths, VOC regulations and reduction techniques, and material preparation. Emphasis is placed on identifying and correcting refinishing defects caused by the air supply and spray environment.*

**REFINISHING – PROGRAM 2: ½ day**

- This course will be conducted in the afternoon – please tick if you only want to attend this course**

*Program 2 overviews preparing and masking the vehicle surfaces and includes information on preparing steel, aluminium and plastic parts for refinishing. Also included is information on masking and finish removal.*

- Rotorua – 30 March       Auckland – 4 April       Palmerston North – 17 May

**REFINISHING – PROGRAM 3: 1 day**

*Knowing how to properly tint and blend today's finishes is critical to obtaining an invisible repair. This program includes colour theory, finish application, tinting and blending, and causes and correction of refinishing defects. Participants perform interactive exercises related to these topics. Additional information is included on the use of tinted undercoats, basecoat/clearcoat, and single-stage and multi-stage finishes.*

- Rotorua – 31 March       Auckland – 5 April       Palmerston North – 18 May

**ESTIMATING FOR COLLISION REPAIR: ½ day**

*An industry ½ day course supported by CRA and presented by I-Car NZ. This course outlines a systematic approach to prepare an estimate, what to look for and why, repair or replace decisions, procedures and cost justification, quality and time management, the need for good record keeping, computer quoting and digital imaging and the importance of involving all parties.*

- Auckland – May       CNI region – May       Wellington – May  
 Christchurch – May       Palmerston North – 14 September

**ADHESIVE BONDING: ½ day**

*This course provides information on how to properly remove and replace bonded exterior body panels and includes information on the various types of structural adhesives available to the collision industry and how procedures may vary between adhesive makers. Students perform hands-on exercises to learn how to properly prepare panel flanges, apply adhesives, and assemble and clamp replacement body panels.*

- Palmerston North – 13 September

**COSTINGS**

Non CRA members

½ day courses - \$264.38 (incl. GST)    1 day courses - \$421.88 (incl. GST)

CRA members

½ day courses - \$224.72 (incl. GST)    1 day courses - \$358.59 (incl. GST)

**DETAILS**

Surname: .....    First Name: .....

Company Name: .....

Address: .....

Phone: .....    Fax: .....    Email: .....

PLEASE NOTE: Finalisation of these courses are still subject to sufficient numbers registering so travel and venues can be arranged.

Please complete all details and fax to us to confirm your attendance.

**Please send your cheque to:**

I-Car NZ, PO Box 9208, Hamilton, Ph (07) 8470216, Fax (07) 8470217

**MIG WELDING QUALIFICATION ASSESSMENT**

To register for this qualification please contact I-Car NZ for a registration form.

Cost: 1 person \$348.75 (incl. GST), 2 or more people \$281.25 (incl. GST) each